

REMARKS

Claims 1 - 10 are pending in this application. Reconsideration in view of the following remarks is respectfully requested. It is believed that this Response is fully responsive to the Office Action dated **January 27, 2003**.

Rejection Under 35 U.S.C. §112, First Paragraph:

Claims 1 - 10 stand rejected under 35 U.S.C. §112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

This rejection is respectfully traversed.

The Examiner takes the position that there is no disclosure of how the device is coupled to the computer, how the device can generate a graphic input, and how the data is input to the computer system.

It is respectfully submitted that as an user moves a pointing device such as a mouse to an optional position when performing graphical input to a computer, this action is to give a cursor the movement data. Meanwhile, it is the role of application software to assign to the cursor the specific roles such as pen, eraser, scissors, and etc. that are used for graphical input. This technique clearly belongs to a category which is different from the present invention. In other words, the principal

object of the present invention is to clarify how to detect the movement data of a pointing device;
for which the specific techniques for realizing this object are clearly stated in the present application.

More specifically, when the tool of the present invention is moved in the air, the pressure which is proportional to the movement velocity is given to the pressure sensors contained in the tool, in accordance with Stoke's Law. The induced charge of the pressure sensors are amplified by charge amplifiers. A set of the outputs of six pressure sensors, which are orientated to have the sensitivity to a mutually independent direction, expresses the motion vector to the x-axis, y-axis, and z-axis in 3-dimensional space. Those analog outputs are digitized, next send to a computer, and used to realize graphical input by application software.

Accordingly, withdrawal of this rejection is respectfully requested

Rejection Under 35 U.S.C. §112, First Paragraph:

In addition, claims 1 - 10 stand rejected under 35 U.S.C. §112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

This rejection is respectfully traversed.

The Examiner takes the additional position that there is no disclosure of how the device can generate the graphic input (for such OA equipment as computer) by moving the position in the air if the holes are covered by the user's palm.

It is respectfully submitted that according to the applicant's experiment, an obstacle such as an user's palm which is placed 2cm or more away from the hole does not affect the sensitivity since the air pushed out from a hole diffuse immediately. The present application is based on the assumption that the user holds the tool by his fingers so that he does not cover any hole when using it. Actually, it is quite possible for the user to hold the tool without covering any hole and affecting the sensitivity.

Max
Claim

Accordingly, withdrawal of this rejection is respectfully requested.

If, for any reason, it is felt that this application is not now in condition for allowance, the Examiner is requested to contact Applicant's undersigned attorney at the telephone number indicated below to arrange for an interview to expedite the disposition of this case.

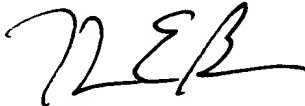
Request For Reconsideration

U.S. Patent Application Serial No. 09/924,681

In the event that this paper is not timely filed, Applicant respectfully petitions for an appropriate extension of time. Please charge any fees for such an extension of time and any other fees which may be due with respect to this paper, to Deposit Account No. 01-2340.

Respectfully submitted,

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